

## Tic-Tac-Toe Products



### Multiplication and Division Basic Facts

3.OA.1(Interpret products of whole numbers)

3.OA.7(Fluently multiply within 100)

#### You Need

- two players
- two markers for the bottom row of factors (for example, paper clips)
- two sets of different markers for each player to cover each product (for example, pennies and nickels)
- Tic-Tac-Toe Products Game Sheet

#### How to Play

Player X selects two factors at the bottom of the page by placing markers on two of the numbers (1–9) to multiply. The product of the two numbers is covered. Player O may move only one marker to make a new product and place their marker on the grid. The markers can both be on the same number.

Players alternate moving one marker at a time and continue placing their markers on the grid until a player has marked four products in a row. Then, the players should discuss their strategies.

This game is a great way to practice and build fluency in single digit multiplication. If a player needs support, a times table can be provided. Eventually a player will not need the table.

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### Tic-Tac-Toe Products

1	2	3	4	5	6			
7	8	9	10	12	14			
15	16	18	20	21	24			
25	27	28	30	32	35			
36	40	42	45	48	49			
54	56	63	64	72	81			
1	2	3	4	5	6	7	8	9